

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A process for the preparation of polyisobutene ~~containing~~ comprising at least 75 mol% of terminal vinylidene groups, ~~in which~~ wherein isobutene or an isobutene-containing hydrocarbon mixture is polymerized in ~~the~~ a liquid phase in the presence of a boron trifluoride complex catalyst having ~~the~~ a composition

$$a(\text{BF}_3) : b(\text{Co1}) : c(\text{Co2})$$

~~where~~ wherein

[[-]] Co1 is at least one tertiary alcohol,

[[-]] Co2 is at least one compound selected from the group consisting of water, primary alcohols, secondary alcohols, dialkyl ethers, alkanecarboxylic acids and phenols,

[[-]] the ratio c:b is from 0.9 to 1.8 and

[[-]] the ratio (b+c):a is from 0.9 to 3.0.

Claim 2 (Currently Amended): A process as claimed in claim 1, wherein said Co1 ~~being is~~ is tert-butanol.

Claim 3 (Currently Amended): A process as claimed in ~~claim 1 or 2,~~ claim 1, wherein said Co2 ~~being is~~ is methanol, ethanol, 2-propanol or 2-butanol.

Claim 4 (Currently Amended): A process as claimed in claim 1, wherein said polyisobutene has ~~any of the preceding claims for the preparation of polyisobutenes having a~~ number average molecular weight M_n of from 500 to 50 000 Dalton.